PAN No. AAPFR 3968M
GST No. 29AAPFR 3968M1Z4

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

Date.....2019

No. *Second & Final Bill*

Division: **BBMP, Byataranyanapura** Sub-Division: **BBMP, Vidyaranyapura** Indent: 28875

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Work Code: **010-18-000050**

Schedule Docket No. Head of Account: **P-3158** **Est.Cost: 970.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Package No. 04 (Package Consists of 28 Works).**

Name of Contractor and Full Address: ***M/S Ram and Company, Engineers & Contractors.# 10,3rd Floor,Puttaiah Compound, 80 Ft Road, Ashwath Nagar, RMV 2nd Stage Banglore-94.***

Reference to Agreement No. **BBMP/EE/BTP/E-PMT/19(28875)/WO/129/2017-18** **Dated: 27.03.2018**

Certified that the measurements were taken by me on 27/11/2019 and recorded of **Pages** 357840 **to** 845 of measurement Book No. 3879 17-18 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 27/11/2019 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Total	9,98,60,330 00
2) Deduct amount to be held in reserve being .....percent Rs.....	1st & Part	8,46,98,030 00
3) " Balance	2nd & Final Amount	1,51,62,300 00
4) Deduct Payment:	IT	303246 00
a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	CGST	135378 00
b. Payments Now made: cost store or other material supplied.	SGST	135378 00
recovery of amount creditable to this/other work	CESS	151623 00
Amount paid on this bill Cheque / Cash.	CBF	15163 00
5) Balance being unpaid value of work done held in reserve.	Royality	300512 00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Deductions	1041300 00
7) Net amount due to or from Contractor unadjustments items.	Cheque	1,41,21,000 00
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	Total amount adjusted	

P3158

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ SIP-Infrastructure Project Works ರಡಿ ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 15162300/- ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ. ಇದರಲ್ಲಿ ರೂ. 1041300/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 1,41,21,000/- ಗಳನ್ನು

FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ವಿಷಯ ನಿರ್ವಾಹಕರು | ಲೆಕ್ಕಶೀರ್ಷಿಕೆರು 3/08 ಬ್ಯಾಡರಾಯನಪುರ ವಿಭಾಗ | ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಡರಾಯನಪುರ ವಿಭಾಗ

Executive Engineer

Witness
1.
2.

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Sl. No.		Unit
1	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications and as per the directions of the	Cum
2	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .(Road)	Cum
3	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .(Playground)	Cum
4	Removing B.S.slab of Drain and stacking as per the directions of the Engineer-in-charge of the work .	Sqm
5	Removing and refixing stone slabs of drains and pointing in CM (1:3) as per the directions of the Engineer-in-charge of the work .	Sqm
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work .	Sqm
7	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work .(Road)	Sqm
8	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum
9	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum
10	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms as per the directions of the Engineer-in-charge of the work .	Cum
11	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) as per the directions of the Engineer-in-charge of the work	Cum
12	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work(road)	Sqm
13	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work (PLAYGROUND)	Sqm
14	Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum
	Qty Above 125%	
15	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm
16	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm

	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Q	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
1	8636.03	1437208.11	0.00	166.42	0.00	8636.03 / 0.00	1437208.11 / 0.00	
2	251.25	1296203.78	0.00	5159.02	0.00	0.00 / 251.25	0.00 / 1296203.78	
3	0	0.00	5.17 / 3.96	5256.36	27175.00 / 20815.18	162819.33 / 5.17 / 3.96	27175.00 / 162819.33	20815.18
4	2477.47	162819.33	0.00	65.72	0.00	0.00	0.00	
5	2540.95	204698.93	0.00	80.56	0.00	0.00	0.00	
6	522.49	347811.14	0.00	665.68	0.00	0.00 / 552.49	0.00 / 34781.14	
7	2253.4	1860722.52	0.00	825.74	0.00	0.00 / 2253.40	0.00 / 1860722.52	
8	3482.52	302700.64	0.00	86.92	0.00	0.00 / 348252	0.00 / 30270064	
9	34.65	1689.53	0.00	48.76	0.00	0.00 / 34.65	0.00 / 1689.53	
10	13718.43	1686818.15	0.00	122.96	0.00	0.00 / 13718.43	0.00 / 1686818.15	
11	899.28	287877.51	0.00	320.12	0.00	0.00 / 899.28	0.00 / 287877.51	
12	3670.65	19454.45	0.00	5.30	0.00	0.00 / 3670.65	0.00 / 19454.45	
13	3120.2	16849.08	0.00	5.4	0.00	0.00 / 3120.20	0.00 / 16849.08	
14	3881.71	3881710.00	2146.67 / 2664.51	1000	2146670.00 / 5380711.49	2146.67 / 2664.51	2146670.00 / 5380711.49	
15	0	0.00	2674.92	2019.4	5401733.00	2674.92	5401733.00	
15	7321.45	225061.37	0.00	30.74	0.00	0.00 / 7321.45	0.00 / 225061.37	
16	28463.22	392223.17	0.00	13.78	0.00	0.00 / 28463.22	0.00 / 392223.17	

Sl. No.		Unit
17	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm
	Qty Above 125%	
18	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.4 % VG-30 Bitumen as per the directions of the Engineer-in-charge of the work .	Cum
	Qty Above 125%	
19	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm
20	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm
21	Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler,	Cum
22	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm
23	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specification and as per the directions of the Engineer-in-charge of the work .	Cum
24	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum
25	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum
26	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Conrete Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm
27	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
28463.22	784446.34	12199.01	27.56	336205.00	40662.23 12199.01	336205.00 1120651.06	
0	0.00	6513.42 6512.06	29.95	195077.00 195036.20	6513.42 6512.06	195077.00 195036.20	
1494.32	8696942.40	662.11	5820	3853480.00	662.11 2156.43	3853480.00 12550422.60	
		394.12 394.14	6228.28	2454689.71 2454814.00	394.12 394.14	2454689.71 2454814.00	
91822.89	291996.79	0.00	3.18	0.00	0.00 91822.89	0.00 291996.77	
91822.89	1167987.16	0.00	12.72	0.00	0.00 91822.89	0.00 1167987.19	
4028.26	41088252.00	0.00	10200	0.00	0.00 4028.26	0.00 41088252	
3411.31	1851386.16	0.00	542.72	0.00	0.00 3411.31	0.00 1851386.16	
1513.83	1253239.30	0.00	827.86	0.00	0.00 1513.83	0.00 1253239.36	
1513.83	6035125.51	0.00	3986.66	0.00	1513.83 0.00	6035125.51 0.00	
1748.43	10871667.80	0.00	6217.96	0.00	1748.43 0.00	10871667.80 0.00	
421.05	288764.51	0.00	685.82	0.00	421.05 0.00	288764.51 0.00	
3120.2	30328.34	0.00	9.72	0.00	3120.20 0.00	30328.34 0.00	

Sl. No.		Un
28	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) as per	Cum
29	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary Soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum
30	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum
31	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	kg
32	Mild Steel pipe 100mm dia 2.5 thick	m
33	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications	Sqm
34	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications	Sqm
35	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm
36	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.	Cum
	Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Smitha N L
AE W10

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
624.04	203536.89	0.00	326.16	0.00	624.04 0.00	203536.89 0.00	
0	0.00	39.14	204.12	7989.00 21	39.14	7989.00 26	
0	0.00	34 33.97	5985.36	203323.00 203322.68	33.97	203323.00 203322.68	
0	0.00	3880.80	118.8	461039.04	3880.80	461039.04	
0	0.00	12.40	286.2	3549.00 88	12.40	3549.00	3548.89
147.42	10508.10	0.00	71.28	0.00	147.42 0.00	10508.10 0.00	
0	0.00	69.96	31.32	2191.00 .15	69.96	2191.00 .15	
0	0.00	1035.68	88.56	91720.00 91719.82	1035.68	91720.00 91719.82	
0	0.00	39.14	125.28	4903.00 .46	39.14	4903.00 .46	
	84698029.03	(+.97)		15189868.00	(-) 21.79	99887897.03	99863508.2

846,98,030.00 1;51,62,300 9,98,60,330.00

Smitha.N.L
AE (W)10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97